SEQUENCE LISTING

<110> RAMSINGH, ARLENE I.
HALIM, SADIA S.

<120> COXSACKIEVIRUS B4 EXPRESSION VECTORS AND USES THEREOF

<130> 0189-2001

<140> 09/879,572
<141> 2001-06-12

<160> 32

<170> PatentIn Ver. 2.1

<210> 1
<211> 16
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Peptide of the ryanodine receptor (RyR)

<400> 1
Arg Ala Glu Asn Glu Lys Asp Ala Thr Thr Glu Lys Asn Lys Lys Arg
1 5 10 15

<210> 2
<211> 14
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Chimeric ova/virus peptide

<400> 2
Glu Met Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ala
1 5 10

<210> 3
<211> 17
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: OVA 323-339

<400> 3
Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ile Asn Glu Ala Gly
1 5 10 15

Arg

<210> 4
<211> 6
<212> PRT
<213> Coxsackievirus

<400> 4
Ile Ser Gln Ala Val His
1 5

<210> 5
<211> 10
<212> PRT
<213> Coxsackievirus

<400> 5
Ile Ser Gln Ala Val His Ala Ala His Ala
1 5 10

<210> 6
<211> 14
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<213> Coxsackievirus

<400> 6
Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ile Asn Glu
1 5 10

<210> 7
<211> 16
<212> PRT
<213> Coxsackievirus

<400> 7
Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ile Asn Glu Ala Gly
1 5 10 15

<210> 8
<211> 6
<212> PRT
<213> Coxsackievirus

<400> 8
Val His Ala Ala His Ala
1 5

<210> 9
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 9
Ile Ala Gly Thr Thr Ser Thr Leu Gln
1 5

<210> 10
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 10
Ser Ser Ile Leu Asp Ile Arg Gln Gly
1 5

<210> 11
<211> 10
<212> PRT
<213> Human immunodeficiency virus

<400> 11
Asn Glu Glu Ala Ala Glu Trp Asp Arg Leu
1 5 10

<210> 12
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 12
Ile Ala Gly Thr Thr Ser Thr Leu Gln
1 5

<210> 13
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 13
Ser Ser Ile Leu Asp Ile Arg Gln Gly
1 5

<210> 14
<211> 10
<212> PRT
<213> Human immunodeficiency virus

<400> 14
Asn Glu Glu Ala Ala Glu Trp Asp Arg Leu
1 5 10

<210> 15
<211> 42

<212> DNA
<213> Coxsackievirus

<220>
<221> CDS
<222> (1)..(42)

<400> 15
cag gag atg tcc acc gcc act aac tca gat gtt cca gtg cag 42
Gln Glu Met Ser Thr Ala Thr Asn Ser Asp Val Pro Val Gln
1 5 10

<210> 16
<211> 14
<212> PRT
<213> Coxsackievirus

<400> 16
Gln Glu Met Ser Thr Ala Thr Asn Ser Asp Val Pro Val Gln
1 5 10

<210> 17
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA vector

<220>
<221> CDS
<222> (1)..(42)

<400> 17
cag gcc ttg tcc acc gcc act aac tca gag gcg cca gtg cag 42
Gln Ala Leu Ser Thr Ala Thr Asn Ser Glu Ala Pro Val Gln
1 5 10

<210> 18
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 18
Gln Ala Leu Ser Thr Ala Thr Asn Ser Glu Ala Pro Val Gln
1 5 10

<210> 19
<211> 54

<212> DNA
<213> Coxsackievirus

<220>
<221> CDS
<222> (1)..(54)

<400> 19
cag gag atg ata tct caa gct gtc cat gca gca cat gca gag gcg cca 48
Gln Glu Met Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ala Pro
1 5 10 15

gtg cag 54
Val Gln

<210> 20
<211> 18
<212> PRT
<213> Coxsackievirus

<400> 20
Gln Glu Met Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ala Pro
1 5 10 15

Val Gln

<210> 21
<211> 19
<212> PRT
<213> Coxsackievirus

<400> 21
Glu Met Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ala Pro Val
1 5 10 15

Gln Thr His

<210> 22
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA vector

<220>
<221> CDS
<222> (1)..(33)

<400> 22
atg acg cgt gct cta ttc caa gga aca cag gtg 33
Met Thr Arg Ala Leu Phe Gln Gly Thr Gln Val
1 5 10

<210> 23
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 23
Met Thr Arg Ala Leu Phe Gln Gly Thr Gln Val
1 5 10

<210> 24
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA vector

<220>
<221> CDS
<222> (1)..(33)

<400> 24
atg acg cgt gct cta ttc caa gga gca cag gtg 33
Met Thr Arg Ala Leu Phe Gln Gly Ala Gln Val
1 5 10

<210> 25
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 25
Met Thr Arg Ala Leu Phe Gln Gly Ala Gln Val
1 5 10

<210> 26
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<400> 26
caggagatga atgaggaagc tgcagaatgg gatagactag aggcgccagt gcag 54

<210> 27
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<400> 27
caggagatga tagcaggaac tactagtacc cttcaggagg cgccagtgca g 51

<210> 28
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<400> 28
caggagatga gcagcattct ggacataaga caaggagagg cgccagtgca g 51

<210> 29
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<220>
<221> CDS
<222> (10)..(237)

<400> 29
tacgataaa atg acg cgt gga cat caa gca gcc atg caa atg tta aaa gag 51
Met Thr Arg Gly His Gln Ala Ala Met Gln Met Leu Lys Glu
1 5 10

acc atc aat gag gaa gct gca gaa tgg gat aga gtg cat cca gtg cat 99
Thr Ile Asn Glu Glu Ala Ala Glu Trp Asp Arg Val His Pro Val His
15 20 25 30

gca ggg cct att gca cca ggc cag atg aga gaa cca agg gga agt gac 147
Ala Gly Pro Ile Ala Pro Gly Gln Met Arg Glu Pro Arg Gly Ser Asp
35 40 45

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ata gca gga act act agt acc ctt cag gaa caa ata gga tgg atg aca   195
Ile Ala Gly Thr Thr Ser Thr Leu Gln Glu Gln Ile Gly Trp Met Thr
             50                  55                  60

aat aat cca acg cgt gct cta ttc caa gga gca cag gtg tca ac       239
Asn Asn Pro Thr Arg Ala Leu Phe Gln Gly Ala Gln Val Ser Thr
         65                  70                  75
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<210> 30
<211> 77
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<400> 30

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Met Thr Arg Gly His Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile
  1               5                  10                  15

Asn Glu Glu Ala Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly
             20                  25                  30

Pro Ile Ala Pro Gly Gln Met Arg Glu Pro Arg Gly Ser Asp Ile Ala
         35                  40                  45

Gly Thr Thr Ser Thr Leu Gln Glu Gln Ile Gly Trp Met Thr Asn Asn
     50                  55                  60

Pro Thr Arg Ala Leu Phe Gln Gly Ala Gln Val Ser Thr
 65                  70                  75
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<210> 31
<211> 158
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<220>
<221> CDS
<222> (10)..(156)

<400> 31

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tacgataaa atg acg cgt gga cat caa gca gcc atg caa atg tta aaa gag 51
          Met Thr Arg Gly His Gln Ala Ala Met Gln Met Leu Lys Glu
            1               5                  10

acc atc aat gag gaa gct gca gaa tgg gat aga gtg cat cca gtg cat   99
Thr Ile Asn Glu Glu Ala Ala Glu Trp Asp Arg Val His Pro Val His
 15                  20                  25                  30
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gca ggg cct att gca cca ggc cag acg cgt gct cta ttc caa gga tca 147
Ala Gly Pro Ile Ala Pro Gly Gln Thr Arg Ala Leu Phe Gln Gly Ser
35 40 45

cag gtg tca ac 158
Gln Val Ser Thr

<210> 32
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Chimeric coxsackievirus containing HIV

<400> 32
Met Thr Arg Gly His Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile
1 5 10 15

Asn Glu Glu Ala Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly
20 25 30

Pro Ile Ala Pro Gly Gln Thr Arg Ala Leu Phe Gln Gly Ser Gln Val
35 40 45

Ser Thr
50